SCHEMATIC OF THE HEATHKIT® AM-FM-FM STEREO SOLID-STATE RECEIVER MODEL AR-15

1. RESISTOR AND CAPACITOR NUMBERS ARE IN THE FOLLOWING GROUPS:

0- 99	PARTS IN THE PHONO PREAMP CIRCUIT.
100-199	PARTS IN THE CONTROL PREAMP CIRCUIT.
200-299	PARTS IN THE POWER AMPLIFIER CIRCUIT.
300-399	PARTS IN THE AM-FM TUNER CIRCUIT.
400-499	PARTS IN THE MULTIPLEX CIRCUIT.
500-599	PARTS IN THE POWER SUPPLY CIRCUIT.

2. REFER TO THE CHASSIS PHOTOGRAPHS AND CIRCUIT BOARD X-RAY VIEW FOR THE PHYSICAL LOCATION OF PARTS.
3. RESISTORS AND CAPACITORS IN THE AUDIO CIRCUITS (0-299) ARE DIVIDED AS FOLLOWS:

   ODD NUMBERS ARE IN THE LEFT CHANNEL CIRCUIT.
   EVEN NUMBERS ARE IN THE RIGHT CHANNEL CIRCUIT.
   C11, C12, C131, R19 AND R175 ARE COMMON TO BOTH LEFT AND RIGHT CHANNEL CIRCUITS.
4. ALL RESISTORS ARE 1/2 WATT UNLESS MARKED OTHERWISE. RESISTOR VALUES ARE IN OHMS (K = 1,000, MEG = 1,000,000).
5. ALL CAPACITOR VALUES ARE IN μfd UNLESS MARKED OTHERWISE (pf = MICRO-MICROFARAD μμf).
6. SOURCE SWITCH WAFERS SHOWN IN FULL COUNTERCLOCKWISE PHONO POSITION, AS VIEWED FROM THE KNOB END OF THE SHAFT.
7. ARROWS ON CONTROLS SHOW CLOCKWISE ROTATION, AS VIEWED FROM THE KNOB END OF THE SHAFT.
8. DC VOLTAGE MEASUREMENTS ARE TAKEN WITH AN 11 MEGOHM VTVM, FROM THE POINT INDICATED TO CHASSIS GROUND. VOLTAGES MAY VARY ±20%. LINE VOLTAGE 120 V AC.
9. ⬭ THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASUREMENT, TAKEN UNDER THE FOLLOWING CONDITIONS:

   SOURCE SWITCH. . . . . PHONO
   MODE SWITCH. . . . . MONO
   SQUELCH CONTROL. . . . . . . FULLY COUNTERCLOCKWISE
   STEREO THRESH CONTROL. . . FULLY COUNTERCLOCKWISE
10. * AN ASTERISK INDICATES THAT A VOLTAGE MEASUREMENT CAN BE MADE UNDER CONDITIONS OTHER THAN THOSE INDICATED BY ⬭ . SEE THE CIRCUIT BOARD VOLTAGE X-RAY VIEWS STARTING ON PAGE 210 FOR THESE CONDITIONS AND VOLTAGES.

TRANSISTOR BASING